

FIG. 1

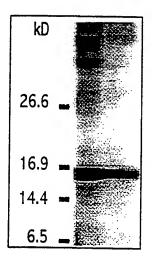


FIG. 2

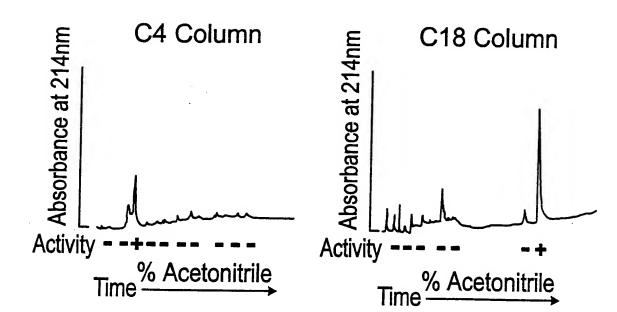
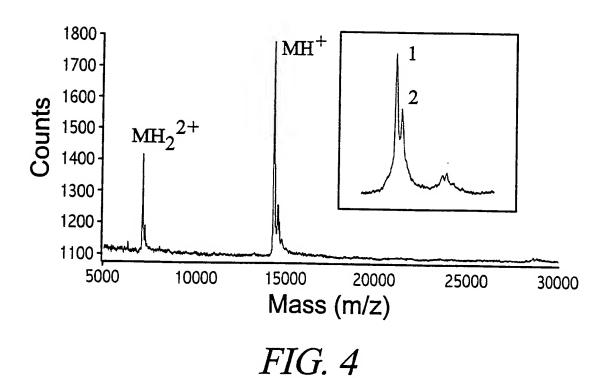


FIG. 3



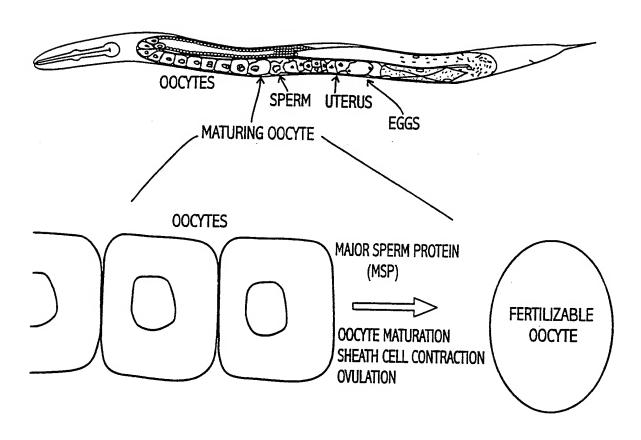


FIG. 5

a<u>o</u>svppgdiqtqpgtkivfnapyddkhtyhikvinssarrigygikttnmkrlgvdppcgvldpkeav**f** AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL **Å**QSVPPGDIਉTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL a<u>Q</u>SVPPGDIQTQ**PNA**KIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL aQSVPPGDIQTQPGTKIVFNAPYDDKHT**D**HIKVINSSARRIGYGIKTTNMKRLGVDPPCGV**F**DPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL a<u>Q</u>SVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKT**I**NMKRLGVDPPCGVLDPKEAVL aQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL aqsvppgdiqtqpgtkivfnapyddkhtyhikvinssarri**v**ygikttnmkrlgvdppcgvldpkeavl a<u>Q</u>SVPPGDIQTQ**PNA**KIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRI**V**YGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL aQSVPPGDIQTQPGTKIVFNAPYDDKHTY**R**IKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL aQSVPPGDIQIQP**NA**KIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL a<u>Q</u>SVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL 4QSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL A OSV PPGDIQT OP GTKIV FNA PY DDKHTYHIKVINSSARRIGYGIKTTN MKRLGV DPPCGVLD PKEAVL <u>T</u>QSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL a<u>Q</u>SVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKVINSSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVL ΣΣΣΣΣ ΣΣΣΣΣΣΣΣ Σ Σ Σ ΣΣΣ MSP-113 MSP-56 MSP-59 MSP-65 MSP-76 MSP-79 MSP-33 MSP-38 MSP-45 MSP-49 MSP-50 MSP-53 MSP-55 MSP-57 MSP-63 MSP-64 MSP-77 MSP-78 MSP-81 MSP-31 MSP-40 MSP-51

FIG. 6A

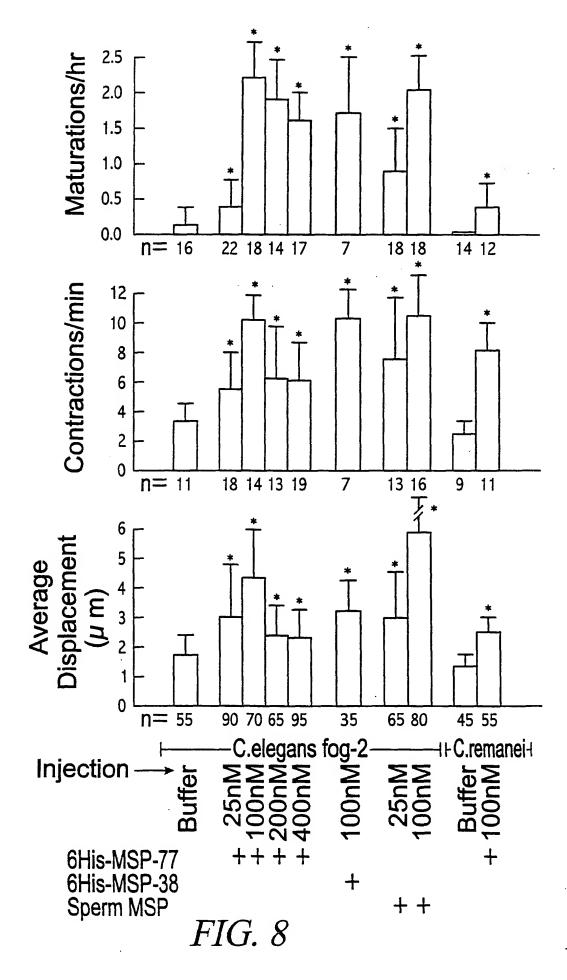
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	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID NO		Π	ID N
	SEQ	SEQ	SEO	SEQ	SEQ	SEQ	SEQ	SEQ	SEO	SEQ	SEO	SEQ	SEQ	SEO	SEQ	SEQ	SEQ	SEQ	SEQ	SEQ	SEQ	SEQ	SEQ	SEQ		SEO	SEO
126	IEYNĖ	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP	IEYNP
120	KINITE.	KNILP.	SKNLP.	SKNLP.	SKNLP.	KNLP	SKNLP	SKNI P	SKNLP	SKNIP.	KINILP.	SKNLP	SKNLP.	KINILP	SKNLP.	SKNLP.	SKNLP.	KINILP	SKNLP.	KKNLP.	SKNLP.	KKNI P	KKNI.P.	KKNLP.	KKNLP.	KKNLP.	KKNI.P.
	GMVR	GMVR	GMVR	CHIVE	GMVR	GMVR	GMVR	GMVR	GMVR	GMVR	GMVRI	GMVR	GMVR	GMVR	GMVR	GMVR	GMVR	GMVR	GMVR	GMVR	GMAR	GMVR	GMAR	GMVR	GMVRE	GMVR	GMVR
110	WFQGI	WFQGE	WFQGE	WFQGE	WFQGI	WFOGE	WFQGE	WFQGL	WFQGE	WFQGI	WFQGE	WFQGE	WFQGE	WFQGE	WFQGE	WFQGE	WFQGE	WFQGE	WFQGL	WFQGE	WFQGE	WFQGE	WFQGE	WFQGE	WFQGE	WFQGE	WFQGL
	QFRRE	QFRRE	QFRRE	OFRRE	QFRRE	OFRRE	OFRRE	QFRRE	QFRRE	QFRRE	OFRRE	OFRRE	OFRRE	QFRRE	QFRRE	OFRRE	OFRRE	OFRRE	OFRRE	OFRRE	Q FRRE	OFRRE	OFRRE	OFRRE	OFRRE	QFRRE	OFRRE
100	DGAA R	3QEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	3QEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	3QEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	3QEDTINNDRITVEWTINTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	3QEDTINIDRITVEWTINTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINIDRITVEWTINTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	3QEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	3QEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINIDRITVEWTINT PDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	3QEDTINIDRITVEWTINTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	<u>LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP</u>	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGW <u>A</u> RRKNLPIEYNP	LAVSCDAFAFGQEDTINIDRITIEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINDRITVEWTNTPDGAAKQFRREWFQGDGMARRKNLPIEYNP	LAVSCDAFAFGQEDTNNDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP	LAVSCDAFAFGQEDTINDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPLEYNP	DGAAK	DGAAK
	WTNTP	WINTP	WINTP	WINTP	WINTP	WINTP	WINTP	WINTP	WINTP	WINTP	WINTP	WTNTP	WINTP	WINTP	WINTP	WTNTP	WINTP	WINTP	WTNTP	WINTP	WINTP	WINTP	WTNTP	WINTP	WINTP	WINTP	WINTP
<u>06</u>	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	RITVE	AITVE	RITVE	AITVE	RITVE	RITVE	RITVE	RITIE	AITVE	LITVE	RITVE	XITVE	SITVE
	MINIT	TUNNI	MININD	TUNNI	TUNNI	TUNNI	TINNDE	TINNDE	TININDE	JUNNI	TUNNI	TUNNI	TINNDE	TINNDE	TINNDE	TUNNI	TININDE	TINNDE	TINNDE	TUNNI	TUNNT	TUNNI	TINNDE	TINNDE	TINNDE	MINNDE	TUNNI
80	FGOE	FGOE	FGOEL	FGOE	FGOEL	FGOE	FGQEL	FGQEL	FGQEL	FGOEL	FGOEL	FGOEL	FGQEL	FGQEL	FGQEL	FGOEL	FGQEL	FGOEL	FGOEL	FGQEL	FGOEL	FGQEL	FGQEL	FGQEL	FGQEL	FGQEL	LAVSCDAFAFGQEDTINIDRITVEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNP
	CDAFA	LAVSCDAFAF	CDAFA	LAVSCDAFAF	LAVSCDAFAFC	CDAFA	LAVSCDAFAFC	LAVSCDAFAF	CDAFA	LAVSCDAFAFC	CDAFA	CDAFA	LAVSCDAFAFC	CDAFA	CDAFA	LAVSCDAFAFC	CDAFA	CDAFA	CDAFA	CDAFA	CDAFA	CDAFA	CDAFA	CDAFA	CDAFA	CDAFA	CDAFA
70 89 90 100 110 120 126	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS	LAVS(LAVS	LAVS	LAVS	LAVS		LAVS(LAVS
•	MSP-3	MSP-10	MSP-19	MSP-31	MSP-33	MSP-38	MSP-40	MSP-45	MSP-49	MSP-50	MSP-51	MSP-53	MSP-55	MSP-56	MSP-57	MSP-59	MSP-63	MSP-64	MSP-65	MSP-76	MSP-77	MSP-78	MSP-79	MSP-81	MSP-113	MSP-142 LAVSCDAFAFGQEDTINIDRITIVEWTINT PDGAAKQFRREWFQGDGMVRRKNLPIEYNP	MSP-152
	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS

FIG. 6B

1 60 60 60 AQSVPPGDIQTQPGTKIVFNAPYDDKHTYHIKITNASSARRIGYGIKTTNMKRLGVDPPCGVLDPKEAVLAQSVPPGDINTQPSQKIVFNAPYDDKHTYHIKITNAGGRRIGWAIKTTNMRRLSVDPPCGVLDPKEKVL AQSVPPGDINTQPGSKIVFNAPYDDKHTYHIKITNAGGRRIGWAIKTTNMRRLGVDPPCGVLDPKESVL MAVSCDTFNAATEDLNNDRITIEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNL SEQ ID NO:11 MAVSCDTFNAATEDLNNDRITIEWTNTPDGAAKQFRREWFQGDGMVRRKNLPIEYNL SEQ ID NO:12 Σ ΣΣ MSP-142 MSP-142 P27439 P27439 P27440 P27440

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FIG. 7



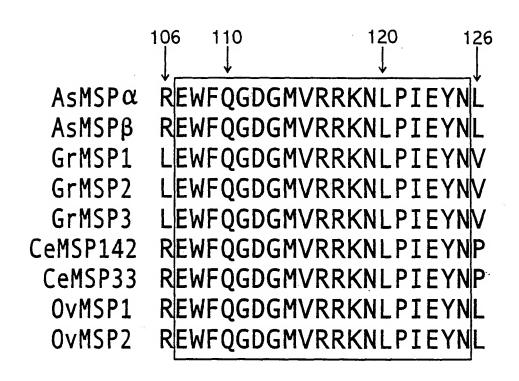


FIG. 9



